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#4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/835,371

DATE: 10/16/2001

TIME: 15:21:49

Input Set : A:\24811741.app

Output Set: N:\CRF3\10162001\I835371.raw

3 <110> APPLICANT: UHLMANN, Eugen
 4 BREIPOHL, Gerhard
 5 WILL, David W
 7 <120> TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES, AND AGENTS AND
 8 PROCESSES FOR PREPARING THEM
 10 <130> FILE REFERENCE: 02481.1743 SEQUENCE LISTING
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/835,371
 C--> 13 <141> CURRENT FILING DATE: 2001-04-17 *one*
 15 <160> NUMBER OF SEQ ID NOS: 53
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 21
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 26 of PNA targeting viral or cellular targets
 28 <400> SEQUENCE: 1
 29 gcgtttgtc ttcttcttgc g 21
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 20
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 39 of PNA targeting CMV
 41 <400> SEQUENCE: 2
 42 acacccaatt ctgaaaatgg 20
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 20
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 52 of PNA targeting CMV
 54 <400> SEQUENCE: 3
 55 aggtccctgt tcgggcgcca 20
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 20
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 65 of PNA targeting CMV
 67 <400> SEQUENCE: 4
 68 gcggggctcc atgggggtcg 20
 71 <210> SEQ ID NO: 5

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72 <211> LENGTH: 15
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74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
78 of PNA targeting CMV
80 <400> SEQUENCE: 5
81 cagctgcaac ccagc 15
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 11
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
91 of PNA targeting CMV
93 <400> SEQUENCE: 6
94 tattccgtca t 11
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 22
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence ✓
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
104 of PNA targeting CMV
106 <400> SEQUENCE: 7
107 ttccgtcatc gctcctcagg gg 22
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 15
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence ✓
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
117 of PNA targeting CMV
119 <400> SEQUENCE: 8
120 ggctgccatg gtccc 15
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 21
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence ✓
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
130 of PNA targeting CMV
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133 ggctgctgga gcggggcaca c 21
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 15
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:

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142 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 143 of PNA targeting CMV ✓
 145 <400> SEQUENCE: 10
 146 aacgttgagg ggcatt 15
 149 <210> SEQ ID NO: 11
 150 <211> LENGTH: 18
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Artificial Sequence
 154 <220> FEATURE:
 155 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 156 of PNA targeting CMV
 158 <400> SEQUENCE: 11
 159 gtgccggggt cttcgggc 18
 162 <210> SEQ ID NO: 12
 163 <211> LENGTH: 17
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Artificial Sequence ✓
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 169 of PNA targeting CMV ✓
 171 <400> SEQUENCE: 12
 172 cgagaacatc atcgtgg 17
 175 <210> SEQ ID NO: 13
 176 <211> LENGTH: 21
 177 <212> TYPE: DNA
 178 <213> ORGANISM: Artificial Sequence ✓
 180 <220> FEATURE:
 181 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 182 of PNA targeting CMV ✓
 184 <400> SEQUENCE: 13
 185 ggagaacatc atggtcgaaa g 21
 188 <210> SEQ ID NO: 14
 189 <211> LENGTH: 22
 190 <212> TYPE: DNA
 191 <213> ORGANISM: Artificial Sequence ✓
 193 <220> FEATURE:
 194 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 195 of PNA targeting CMV ✓
 197 <400> SEQUENCE: 14
 198 cccgagaaca tcatggtcga ag 22
 201 <210> SEQ ID NO: 15
 202 <211> LENGTH: 20
 203 <212> TYPE: DNA
 204 <213> ORGANISM: Artificial Sequence ✓
 206 <220> FEATURE:
 207 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 208 of PNA targeting CMV ✓
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 211 ggggaaagcc cggcaagggg 20

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Input Set : A:\24811741.app

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214 <210> SEQ ID NO: 16
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 216 <212> TYPE: DNA
 217 <213> ORGANISM: Artificial Sequence
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base~~ sequence ✓
 221 of PNA targeting CMV
 223 <400> SEQUENCE: 16
 224 caccgcctt ggcctccac 20
 227 <210> SEQ ID NO: 17
 228 <211> LENGTH: 18
 229 <212> TYPE: DNA
 230 <213> ORGANISM: Artificial Sequence
 232 <220> FEATURE:
 233 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base~~ sequence ✓
 234 of PNA targeting CMV
 236 <400> SEQUENCE: 17
 237 gggaactcgg cgcagcgc 18
 240 <210> SEQ ID NO: 18
 241 <211> LENGTH: 20
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base~~ sequence ✓
 247 of PNA targeting CMV
 249 <400> SEQUENCE: 18
 250 ggcaacttt cttttcctcc 20
 253 <210> SEQ ID NO: 19
 254 <211> LENGTH: 19
 255 <212> TYPE: DNA
 256 <213> ORGANISM: Artificial Sequence
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base~~ sequence ✓
 260 of PNA targeting CMV
 262 <400> SEQUENCE: 19
 263 gggaaggagg aggatgagg 19
 266 <210> SEQ ID NO: 20
 267 <211> LENGTH: 21
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial Sequence
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base~~ sequence ✓
 273 of PNA targeting CMV
 275 <400> SEQUENCE: 20
 276 ggcagtcac cagcttcgga g 21
 279 <210> SEQ ID NO: 21
 280 <211> LENGTH: 18
 281 <212> TYPE: DNA
 282 <213> ORGANISM: Artificial Sequence

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284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
286 of PNA targeting CMV
288 <400> SEQUENCE: 21
289 tctcccagcg tgcgccat 18
292 <210> SEQ ID NO: 22
293 <211> LENGTH: 19
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
299 of PNA targeting CMV
301 <400> SEQUENCE: 22
302 gcgctgatag acatccatg 19
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 12
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
312 of PNA targeting CMV
314 <400> SEQUENCE: 23
315 ggaggcccga cc 12
318 <210> SEQ ID NO: 24
319 <211> LENGTH: 12
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
325 of PNA targeting CMV
327 <400> SEQUENCE: 24
328 ggtttcggag gc 12
331 <210> SEQ ID NO: 25
332 <211> LENGTH: 12
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
338 of PNA targeting CMV
340 <400> SEQUENCE: 25
341 tgggtggaggt ag 12
344 <210> SEQ ID NO: 26
345 <211> LENGTH: 12
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
351 of PNA targeting CMV
353 <400> SEQUENCE: 26

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,371

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Input Set : A:\24811741.app

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date